

The Commonwealth of Massachusetts

STATE TEACHERS COLLEGE

AT

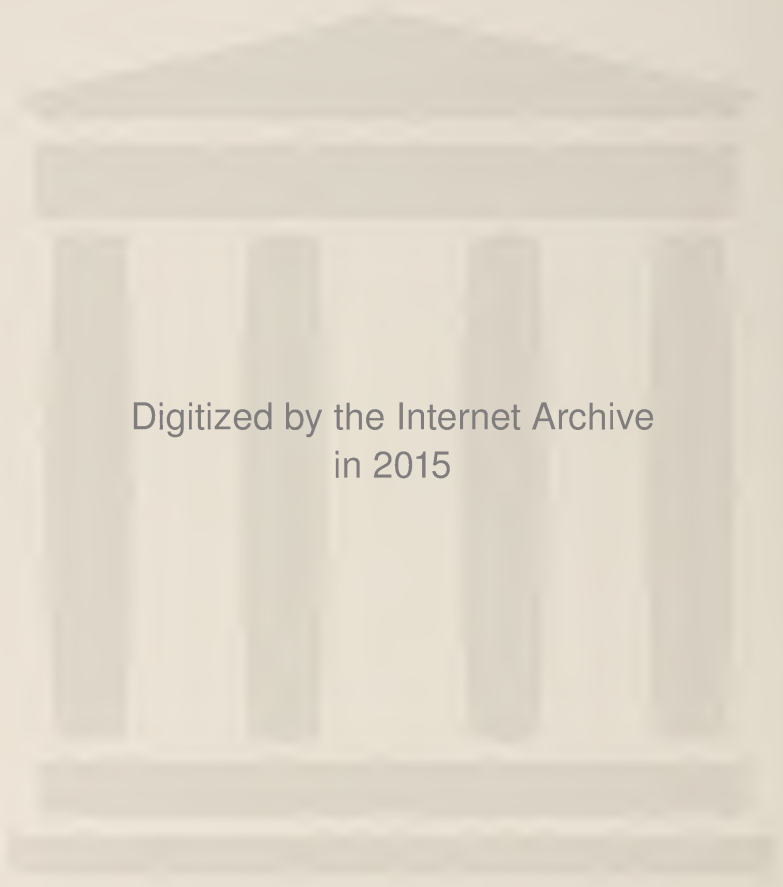
LOWELL



ESTABLISHED 1894

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STATE TEACHERS COLLEGE
AT LOWELL, MASSACHUSETTS

The Commonwealth of Massachusetts

STATE TEACHERS COLLEGE

Lowell, Massachusetts



ESTABLISHED 1894

DEPARTMENT OF EDUCATION

JOHN J. DESMOND, JR., *Commissioner of Education*

PATRICK J. SULLIVAN, *Director, Division of Elementary and
Secondary Education and State Teachers Colleges*

GEORGE H. VARNEY, *Business Agent*

Board of Education

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DR. WILLIAM E. PARK DR. OWEN B. KIERNAN

DR. FRANK L. BOYDEN DR. LEO C. DONAHUE

MRS. JULIA M. FULLER RT. REV. CORNELIUS T. H. SHERLOCK

FACULTY, 1950-1952

- DANIEL H. O'LEARY *President*
B.A., M.A., Ph.D., Boston College
-
- MARIE M. GEARAN *Director of Laboratory Experiences*
B.S.Ed., M.Ed., State Teachers College at Fitchburg
- MARGUERITE L. GOURVILLE *Dean of Students, Social Studies*
Diploma, Sargent School of Physical Education
B.S.Ed., Marywood College
M.A., Boston University
- CYRUS D. THOMPSON *Associate Professor, Music Education*
Diploma, New England Conservatory of Music
B.S.Ed., Pennsylvania State College
M.M., Eastern School of Music of the University of Rochester
-
- HERMAN H. BRASE *Associate Professor, Psychology, Education*
B.A., New York University
M.A., Tufts College
- CHARLES O. DALRYMPLE *Professor, Mathematics, Physical Science (Retiring 1951)*
B.S., Cornell University
M.Ed., Ed.D., Boston University
- JOHN J. FISHER (1951-1952) *Professor, Biological Science*
B.A., St. John's University
M.A., D.Ed., Columbia University
- JOHN R. FITZGERALD *Assistant Professor, Social Studies*
B.S.Ed., M.Ed., Boston University
- DEMERRITTE A. HISCOE *Associate Professor, Art*
B.S.Ed., Massachusetts School of Art
M.Ed., Tufts College
- CHRISTINE M. KANE *Assistant Professor, English*
B.S.Ed., M.A., Boston University
- EDWARD T. KNOWLES *Assistant Professor, Social Studies*
B.S.Ed., State Teachers College at Bridgewater
M.A., Fletcher School of International Law (Tufts, Harvard)
- IRENE K. MACDONALD *Assistant Professor, Librarian*
B.A., Bates College
M.A., M.S., Columbia University
- AUGUSTUS MAZZOCCA *Music (Part time)*
Diploma, San Pietro Maiella Conservatory of Music, Naples, Italy
- ELIZABETH A. NEILSON *Assistant Professor, Health, Physical Education*
Diploma, Bouve, Boston School of Physical Education
B.S.Ed., M.Ed., Boston University

- MARY A. O'ROURKE (1950-1951) *Assistant Professor, Education,
Language Arts*
B.S.Ed., State Teachers College at Salem
M.Ed., Harvard University
- ALMA T. WARD (1951) *Assistant Professor (Substitute)
Communicative Arts*
B.S.Ed., State Teachers College at Lowell
M.Ed., Boston University
- MARGARET R. SHANNON (1951-1952) *Assistant Professor
Communicative Arts*
B.S.Ed., State Teachers College at Lowell
M.Ed., Harvard University
- DOMENIC PROCOPIO *Instructor, Music*
B.A., M.A., Harvard University
- JULIAN ROBERTS *Associate Professor, English*
B.A., M.A., Columbia University
- ROBERT SMITH (1950-1951) *Instructor (Substitute) Biology*
B.S., University of Massachusetts
- MABEL E. TURNER (1950) *Associate Professor, Biology
(Retiring 1951)*
B.S.Ed., Boston University
M.Ed., Harvard University
- MABEL B. WILSON *Assistant Professor, Music*
Diploma, New England Conservatory of Music
B.Mus., Chicago University
M.Ed., Tufts College

Bartlett School

- THOMAS F. MCSORLEY *Master and Training School Principal*
B.A., Holy Cross College
-
- ESTHER T. BURNS *Training School Teacher*
B.S.Ed., State Teachers College at Lowell
M.Ed., Harvard University
- VIVIAN C. BURNS *Training School Teacher*
B.S.Ed., State Teachers College at Lowell
M.A., Marywood College
- ELIZABETH C. COFFEY *Training School Teacher*
B.S.Ed., State Teachers College at Lowell
- EMMA M. GRAHAM *Training School Teacher*
Diploma, Lowell Normal School
- CHARLOTTE D. LOWE *Training School Teacher*
Diploma, Lowell Normal School
- FRANCES C. MORIARTY *Training School Teacher*
B.A., Boston University

Washington School

HENRY E. MCGOWAN	<i>Master and Training School Principal</i>
B.S., Lowell Textile Institute	
M.Ed., Boston University	
MARY CLAIRE HAYES	<i>Training School Teacher</i>
B.S.Ed., State Teachers College at Lowell	
M.Ed., Boston University	
KATHERINE F. KEARNEY	<i>Training School Teacher</i>
B.S.Ed., State Teachers College at Lowell	
M.Ed., Boston University	
GEORGIANNA P. KEITH	<i>Training School Teacher</i>
B.S.Ed., State Teachers College at Lowell	
M.Ed., Boston University	
ANNA C. KIERNAN	<i>Training School Teacher</i>
B.S.Ed., State Teachers College at Lowell	
M.Ed., Boston University	
CATHERINE V. O'CONNOR	<i>Training School Teacher</i>
B.S.Ed., State Teachers College at Lowell	
ALMA T. WARD	<i>Training School Teacher</i>
B.S.Ed., State Teachers College at Lowell	
M.Ed., Boston University	

Supervisors of Music

ISOBEL GREGORY	Dracut High School
MARY F. WALLACE	Bartlett School - Washington School

Physician

DR. STEPHEN KOSCIOLEK	<i>Physician</i>
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Office Personnel

KATHLEEN B. BYRT	<i>Principal Clerk</i>
B.S.Ed., State Teachers College at Lowell	
BEATRICE L. MEAGHER	<i>Senior Clerk and Stenographer</i>

THE STATE TEACHERS COLLEGE AT LOWELL

The State Teachers College at Lowell offers a four year curriculum leading to the degree of Bachelor of Science in Education. Two major curricula are offered; one in Elementary Education, one in Music Education.

The State Teachers College at Lowell (formerly the State Normal School at Lowell) was established by the Legislature, January 6, 1894, admitted its first class October 4, 1897 and was dedicated June 15, 1898. The College is housed in a single large building with a present enrollment of 407 students. It has no dormitories. The campus occupies a three acre site in the western section of the city overlooking the Merrimack River. It is located at the corner of Broadway and Wilder Streets.

Laboratory School Experiences (including student teaching) are recognized as the heart of teacher education. At Lowell this basic training is carried on in the Washington School; in the Bartlett School, completed in 1951 at a cost of over one million dollars; in the Dracut High School. The Lowell schools are within easy walking distance of the College campus.

Requirements for Admission

I. APPLICATION FOR ADMISSION. Every candidate for admission to a teachers college is required to fill out a blank entitled "Application for Admission to State Teachers Colleges" and send it to the President. This blank may be obtained at the high school or the teachers college and may be filed after January 1 of the year in which the candidate desires to enter. The blank should be filed by January 23. Applications will be accepted after January 23, candidates applying after this date will be placed on waiting lists following the September examinations.

II. BLANK TO BE FILED BY THE HIGH SCHOOL PRINCIPAL. The principal of the high school is expected to fill out a blank giving the "High School Record" for each year, and a "Rating of Personal Characteristics" and send it to the President.

III. GENERAL QUALIFICATIONS. Every candidate for admission as a regular student must meet the following requirements:

1. *Health.* The candidate must be in good physical condition and free from any disease, infirmity, or other defect which would render him unfit for public school teaching. A statement from the family physician and examination by the college physician are required evidences in this regard.

2. *High School Graduation.* The candidate must be a graduate of a standard four-year high school, or have equivalent preparation.

3. *Completion of Fifteen Units of High School Work.* The "High School Record" must show the completion of fifteen units accepted by the high school in fulfillment of graduation requirements or the candidate must present evidence of equivalent preparation.

"A unit represents a year's study in any subject of a secondary school so planned as to constitute approximately one-fourth of a full year of work for a pupil of normal ability. To count as a unit, the recitation periods

shall aggregate approximately 120 sixty-minute hours. Time occupied by shop or laboratory work counts one-half as much as time in recitation."

4. *Personal Characteristics.* The "Rating of Personal Characteristics" and the moral character of the candidate must, in the judgment of the President, warrant the admission of the candidate.

IV. SCHOLARSHIP REQUIREMENTS FOR ADMISSION BY CERTIFICATE. Of the 15 units presented for admission 12 must be selected from the following and must include the 7 units listed in this paragraph as "Prescribed." The additional 3 units required may consist of any work which the high school accepts in partial fulfillment of its graduation requirements.

1. *Distribution of Units for Certified Applicants.*

The units must be so distributed that the number offered in any field, including the prescribed units, shall not be more than the following: English, 3 units; Social Studies, 4 units; Science, 3 units; Foreign Language, 5 units (no credit accepted for less than 2 units of any one language); Mathematics, 3 units; Commercial subjects, 2 units; Fine and Practical Arts, 2 units, and Physical Education, 1 unit.

2. *Prescribed 7 Units*

English	3 units
American History and Civics	1 unit
Algebra	1 unit
Geometry	1 unit
Science	1 unit

3. *Admission by Certificate. (Plan I)*

The privilege of certification is extended to public and private schools and academies in the Commonwealth of Massachusetts. We accept the certificating grade regularly established by the individual school for college entrance. Units of certification will be determined on the same basis as units of credit, subject to the restrictions of this bulletin.

The Department of Education reserves the right to withdraw the privilege of certification from any institution when its students fail to measure up to the standards required by the Department. The responsibility of the high school will continue through the freshman year in the Teachers Colleges.

Admission by certificate is granted to candidates who present work of certificating grade in 12 units as follows: Seven from the prescribed list and five others from the list given under IV (1). The number of units offered is subject to the restriction of IV.

In the case of subjects which continue for two years the grade for the last year must be a certificating grade in order that both units may be accepted for certification. If the subjects continue for three or four years, the grade for one other year, as well as the grade for the last year, must be a certificating grade in order that 3 or 4 units may be accepted for certification.

In the case of English only 3 units will be accepted among the required 12 units. A fourth unit of English may be accepted as one of 3 additional units.

4. *Admission by Certificate. (Plan II)*

Students in the upper quarter of the high school, or college preparatory class, are eligible for admission without examination, provided that they have completed fifteen units and have received passing grades in the seven units listed as "Prescribed."

V. *Admission by Examination*

Students who are not eligible for admission by certificate or by reason of upper quarter standing as described in the foregoing, but who possess a high school diploma or its equivalent may be admitted on the successful completion of aptitude tests prescribed by the Department of Education. Candidates applying under this provision will be personally interviewed at the Teachers College to which application is being made. Their standing will be determined by the scholastic and personality records, examination scores and personal interviews.

VI. WAITING LISTS. If the number of applicants for admission who have applied by January 23, is in excess of the number that the facilities of the Teachers College will accommodate, the scholastic records and the ratings of the personal characteristics of all applicants will be evaluated. Certified candidates and candidates who are eligible for admission because of upper quarter standing will be admitted first and in that order, as determined by their total scores. Candidates for admission by examination will then be admitted in the order determined by their scholastic and personality records, examination scores, and interviews. Waiting lists established after the April examinations will remain in force until after the September examinations when new waiting lists will be established. Vacancies occurring between the April and September examinations will be filled from the April list.

VII. PLACE AND TIME OF EXAMINATION. Examinations may be taken in April and September at any State Teachers College including the Massachusetts School of Art. Candidates who wish to take examinations at a Teachers College other than the one for which they are applying should notify the college president in advance.

VIII. ADMISSION OF STUDENTS TO THE MUSIC EDUCATION DEPARTMENT OF THE STATE TEACHERS COLLEGE AT LOWELL. Students seeking admission to the Music Education Department of the State Teachers College at Lowell, in addition to meeting the regular requirements for admission, must pass a Music Aptitude Test and demonstrate ability in music. Details in regard to the types of tests and examinations to be used may be had from the State Teachers College at Lowell.

IX. ADMISSION AS ADVANCED STUDENTS. Students who have attended or are graduates of normal schools or colleges may be admitted as regular or advanced students, under conditions approved by the Department.

SCHEDULE OF APTITUDE TESTS FOR 1950, 1951, 1952

(All day—beginning at nine o'clock)

Music Aptitude Tests

(to be given at the State Teachers College at Lowell only)

April 3, 1950 and September 7, 1950

April 2, 1951 and September 6, 1951

January 31, 1952 and September 4, 1952

Scholastic Aptitude Tests

(to be given at all the State Teachers Colleges and the Massachusetts School of Art)

April 4, 1950 and September 8, 1950

April 3, 1951 and September 7, 1951

February 1, 1952 and September 5, 1952

COLLEGE YEAR BEGINS

September 11, 1950 September 10, 1951 September 15, 1952

REQUIREMENTS FOR PROMOTION AND GRADUATION

1. A system of quality points is in force in all of the State Teachers Colleges. Under this system, grades will be given the following values: A-4, B-3, C-2, D-1.

2. The number of quality points which a student receives in a course is determined by multiplying the total number of semester hours in the course by the corresponding number of quality points, e.g., a six-semester-hour course with a rating of "A" has a value of 24 quality points. The average is computed by dividing the total number of quality points by the total number of semester hours.

3. The average of the grades required for promotion or graduation is two. Students with an average of less than two must withdraw from college unless permission to repeat the year is given by the Director of the Teachers Colleges on the recommendation of the President for such reasons as illness, home difficulties, etc.

4. Incomplete grades must be made up within eight weeks after the opening of the following semester.

5. The determination of quality points is made at the end of each college year and, excepting when the year is repeated, the number of points is not affected by grades in failed courses subsequently taken and passed.

6. "E" grades can never be removed, but the subjects in which they have been received must be repeated and passed, or, in the case of electives, other approved courses must be taken and passed, before September 1 of the senior year. These courses must be taken in approved summer sessions, or, when possible, during the regular college year. Continuing subjects in which "E" grades have been received must be successfully repeated before the student may take advanced work. No student may be admitted to the Senior Class with any deficiencies in the scholastic record.

7. The grade for a repeated course will be recorded in the college records as "Repeated and passed at (college) with a grade of" The grade for courses substituted for electives will be recorded in the same way with the elimination of "Repeated."

EXPENSES

The following summary indicates as nearly as possible the regular expenses for which each student must plan in an annual budget:

- I. A. Fees for Residents of Massachusetts
\$75.00 a year for graduate and undergraduate
\$2.50 a semester hour—Courses for part-time students

B. Music Education Course at the State Teachers College at Lowell

Same fees as for "A" above (Additional expenses to cover Applied Music I and II). Detailed information may be had from the State Teachers College at Lowell, Music Education Department.

II. Fees for Non-Residents of Massachusetts
\$300.00 a year for graduate and undergraduate

III. Student Activity Fee
\$13.00 payable in September at registration

All payments must be made in advance, without the presentation of bills.

TEXTBOOKS AND SUPPLIES—Students are expected to purchase all necessary textbooks and supplies, at an approximate expense of \$65.00 a year.

CURRICULA

The State Teachers College at Lowell offers

A FOUR YEAR CURRICULUM LEADING TO THE DEGREE OF BACHELOR OF SCIENCE IN EDUCATION IN TWO FIELDS:

I. *Elementary Education*

The elementary education curriculum prepares teachers for the elementary schools. The first two years are principally devoted to developing and enriching a background in general education. The last two years include education courses and laboratory school experience under supervision.

II. *Music Education*

Lowell is the only Massachusetts State Teachers College which offers this major field—Music Education. The first two years are principally devoted to developing and enriching a background in general education and music. The last two years include education courses and laboratory school experiences under supervision.

ELEMENTARY CURRICULUM

FRESHMAN YEAR

	<i>Semester Hours</i>
English and Speech I	7
World History	6
Biology	6
Mathematics	3
Appreciation of the Arts (Art and Music)	6
Physical Education and Hygiene	3
Elective	3
Total	34

SOPHOMORE YEAR

	<i>Semester Hours</i>
English II and Speech II	7
United States History and Government	6
Principles of Geography	6
Physical Science	6
Psychology	3
Physical Education	1
Elective	3
Total	32

JUNIOR YEAR

	<i>Semester Hours</i>
Curriculum Methods and Materials for Teaching in the Elementary Schools	19
Student Teaching	12
Total	31

SENIOR YEAR

	<i>Semester Hours</i>
Children's Literature	3
History and Philosophy of Education	4
Economic Geography	3
Sociology	4
Tests and Measurements	3
Reading Adjustment and Speech	3
Physical Education and First Aid	2
Education Seminar	3
Electives	6
Total	31

MUSIC EDUCATION CURRICULUM

FRESHMAN YEAR

	<i>Semester Hours</i>
English I and Speech I	7
World History B	3
Psychology	3
Art Appreciation	3
Physical Education and Hygiene	3
Science and Music (Acoustics)	3
Music Theory	3
Applied Music I and II	4
Instrumental Class I (Percussion and Brass)	2
Elective	3
Total	34

SOPHOMORE YEAR

	<i>Semester Hours</i>
English II	6
United States History and Government	6
Physical Education II	1
History and Appreciation of Music	6
Harmony I	6
Conducting I	3
Applied Music I and II	4
Instrumental Class II (woodwind)	2
Elective	3
Total	37

JUNIOR YEAR

	<i>Semester Hours</i>
Elementary Education (including student teaching)	6
Student Teaching I (music)	2
Physical Education	$\frac{1}{2}$
Music Materials and Methods I	6
Voice Materials and Methods	3
Harmony II	6
Psychology of Adolescence	3
Applied Music I and II	4
Instrumental Class III (Strings)	2
Elective	3
Total	35½

SENIOR YEAR

	<i>Semester Hours</i>
History and Philosophy of Education	4
Sociology	4
Student Teaching II and III (Music)	4
Physical Education and First Aid	2
Administration and Supervision	3
Harmony III and Counterpoint	3
Orchestration and Composition	3
Music Materials and Methods II	3
Applied Music I and II	4
Instrumental Class IV (Including Student Teaching)	2
Total	32

Each semester carries non-credit hours in Chorus, Choir, Band and Music Recitals.

DESCRIPTION OF COURSES

(*Indicates the course is an elective)

Art

ART 10—ART APPRECIATION 3 semester hours

A study of a selection of works of old masters and contemporary painters. Attention is drawn to emotional drive, motivation, technique of design and cultural value. Visits to art galleries, studios and museums are encouraged.

ART 11—ART MATERIALS AND TECHNIQUES* 3 semester hours

A study of art materials. The course covers techniques, principles and necessary scientific information used in the production of a work of art. Emphasis is placed on understanding rather than production. Experimentation is encouraged.

ART 20—HISTORY OF ART* 3 semester hours

A study of art as an expression of man's social and cultural growth. Selections from main currents and great periods of art from prehistoric to the present time are considered.

ART 40—CREATIVE ART* 3 semester hours

An advanced studio course for qualified and interested students who wish to carry on individual production in a chosen field of art.

Education

ED. 20—INTRODUCTION TO EDUCATION* 3 semester hours

Basic principles of education developed through self-evaluation, observation of children in the training school and class discussion. Through counseling and professional guidance the student indicates at the end of the course what is his choice for practice teaching in the following year.

ED. 30-31-32-33-34-35-36-37—CURRICULUM TECHNIQUES AND MATERIALS FOR TEACHING IN THE ELEMENTARY SCHOOL 19 semester hours

This block of work is a prerequisite to Ed. 38 (Student Teaching). The work is planned as a whole to include basic principles and techniques in teaching and the subject areas are weighted as follows:

Ed. 30—Music (3 s.h.)

Ed. 31—Social Studies (3 s.h.)

Ed. 32—Science (2 s.h.)

Ed. 33—Art (2 s.h.)

Ed. 34—Arithmetic (2 s.h.)

Ed. 35—Health and Physical Education (2 s.h.)

Ed. 36—Communicative Arts (5 s.h.)

Ed. 37—Observation (2 hours weekly—no semester hour credit)

ED. 38—STUDENT TEACHING 12 semester hours

Students are assigned to grades in the training schools where they teach under the supervision of qualified training school teachers and principals. They assume the responsibilities of the classroom and carry on regular school activities. Every effort is made to give experiences which develop the potential abilities of each student. Seven college professors, a

training school principal, and a training school music supervisor assist the training school teacher by observing, demonstrating, counseling and guiding the work of each student during this training period.

ED. 39—ELEMENTARY EDUCATION AND STUDENT TEACHING

6 semester hours

This course for those majoring in music education is divided into three sections which run concurrently throughout one semester; (a) a two-hour course in basic principles in teaching, (b) a two-hour course in the techniques of teaching reading and (c) 30 full days of student teaching in the elementary classroom in the training school.

ED. 42—READING ADJUSTMENT

2 semester hours

This is a laboratory school experience in the elementary school which provides practice in studying and diagnosing the reading disabilities of children. This course follows student teaching.

ED. 43—AUDIO VISUAL AIDS TO TEACHING*

3 semester hours

The use of multi-sensory aids to teaching and their sources.

ED. 44—EDUCATIONAL TESTS AND MEASUREMENTS

3 semester hours

The nature of measurement with a survey of the methods of measuring intelligence and achievement. Statistical methods of study are emphasized.

ED. 45—EDUCATION SEMINAR

3 semester hours

An evaluation of professional experiences covering phases of ethics, school law; curriculum study; new trends in education.

ED. 46—PRINCIPLES OF SECONDARY EDUCATION*

3 semester hours

The evaluation of secondary education in the United States; its essential purposes, achievement and forms of organization.

English

ENG. 10—FRESHMAN ENGLISH

6 semester hours

Selected readings in world literature illustrating the progress of human values in our cultural heritage. Frequent written assignments are required to train students in idea development and effective writing.

ENG. 11-21-31-41—FUNDAMENTALS OF GOOD SPEECH

4 semester hours

A laboratory series of speech courses designed to develop effective oral communication.

ENG. 20—SURVEY OF ENGLISH LITERATURE

6 semester hours

English literary selections from Beowulf to Hardy with study of the contemporary history which influenced the development.

ENG. 40—SURVEY OF AMERICAN LITERATURE*

3 semester hours

American literary selections from John Smith to Walt Whitman with study of the contemporary history which influenced the development.

ENG. 42—CHILDREN'S LITERATURE

3 semester hours

An exploration of poetry and prose suitable for children of the elementary school.

Health and Physical Education

PHYS. ED.—10-20-30-40

3 semester hours

A continuing four year program of activities selected with consideration for the physiological, anatomical and sociological growth of the students. The fundamental skills are presented to each class in accordance with their respective level in the college program.

Such activities as field hockey, basketball, softball, volleyball tennis-quoit, enable the students to become familiar with team sports. The individual sports also receive equal attention in the program. They include swimming, tennis, riding, archery, badminton, and bowling. Each year the class work changes to permit the student to gain new understandings, skills, and ability to play the activities recreationally. In their last year opportunities for coaching are afforded.

PHYS. ED. 11—PHYSIOLOGY AND HYGIENE

2 semester hours

This course considers the functions and the care of the body together with such knowledge of community hygiene as is necessary for the greater social worth of the individual.

PHYS. ED. 40—PHYSICAL EDUCATION AND FIRST AID 1 semester hour

This course is offered to seniors to enable them to receive their American Red Cross Standard First Aid Certificate before graduating from the college. Emphasis is given to the phase of first aid that would be common to the future teachers or future members of a community.

PHYS. ED. 41—CHILD HEALTH*

3 semester hours

This elective course aims at familiarizing the future teacher with such school health problems as school sanitation, communicable disease control, remedial physical defect, etc.

Philosophy and Psychology

PSY. 10-20—GENERAL PSYCHOLOGY

3 semester hours

This course orients the student in the problems, methods, facts and principles of psychology with special reference to the understanding and education of children.

PSY. 40—HISTORY AND THE PHILOSOPHY OF EDUCATION 4 semester hours

An introduction to the major problems in the philosophy of education and the historic attempts to solve them. Current principles of education are evaluated and interpreted.

PSY. 21—PSYCHOLOGY OF ADOLESCENCE

3 semester hours

A systematic analysis of the many sided development of the adolescent child between the ages of twelve and eighteen.

Science and Mathematics

SCI. 10—BIOLOGICAL SCIENCE

6 semester hours

The subject matter of the course is equally divided between the botanical and the zoological fields. The course aims to provide a background of fundamental biological knowledge.

SCI. 20—PHYSICAL SCIENCE 6 semester hours

An overview of the broad field of the physical sciences covering phases of chemistry, astronomy and physics.

SCI. 12—ACOUSTICS 3 semester hours

A study of the fundamentals of acoustics including the principles of mechanics, properties of matter, force and motion, elasticity of sound.

MATH. 10—MATHEMATICS 3 semester hours

A course in college mathematics in which the emphasis throughout is on the logical structure of mathematics and its relation to other fields of knowledge. It includes elements of college algebra, trigonometry, logarithms, analytic geometry and calculus.

Social Studies

HIST. 10A-10B—WORLD HISTORY 6 semester hours

A course in World History studying political, cultural, economic and social development through the ages.

10A—Part I—Prehistory to French Revolution

10B—Part II—French Revolution to present day

HIST. 20A—UNITED STATES HISTORY 3 semester hours

A study of major trends in American History from revolutionary war to the present time. Brief consideration is given to European background and American development prior to the revolution. Greatest emphasis is placed on tracing historical trends which have produced our present American social, political and economic problems.

HIST. 20B—UNITED STATES GOVERNMENT 3 semester hours

A short introduction to general government, various foreign governments and the basic nature of American democratic government. A background of executive, administrative, legislative, judicial, and political party organization and function is included.

HIST. 40—CONTEMPORARY INTERNATIONAL AFFAIRS* 3 semester hours

A study of outstanding current happenings in the field of international relations.

SOC. 40—PRINCIPLES OF SOCIOLOGY 4 semester hours

Study of Society, culture, places, people, basic institutions and processes, control and change as they affect man's social life.

GEOG. 20—PRINCIPLES OF GEOGRAPHY 6 semester hours

A study of human activities in the various climatic regions as they are related to the climate of the region and of human activities as they are related to relief, soils, minerals, surface and ground water.

GEOG. 40—ECONOMIC GEOGRAPHY 3 semester hours

A study of the geographic factors involved in the production, distribution and manufacture of raw materials and the influence of geography upon world trade routes and commerce. Attention is given to the study of the influences of the physical environments in determining economic results.

Music Education

MUS. 10—MUSIC APPRECIATION 3 semester hours

A study of Early, Classical, Romantic, Impressionistic, Realistic, and Modern Schools of Composition. Attention is given to well-known contemporary artists of concert, opera, and radio.

MUS. 11—ELEMENTS OF MUSIC* 3 semester hours

A singing, reading, and theory experience in the fundamentals of music. Elementary ear training, sight singing, and basic rudiments are stressed.

MUS. 13-23-33-43—APPLIED MUSIC I and II 16 semester hours

Fifteen, one-half hour lessons in both Major and Minor areas per semester are required.

Voice—Students who take a voice major are required to study piano as their Applied Music Minor throughout the four years.

Piano—Students who take a piano major must study voice as their Applied Music Minor throughout the four years.

Other Instruments—Students who take an instrument major continue their study in that major and study voice during the freshman and sophomore years, and piano during the junior and senior years.

Strict account must be kept of content of lessons and amount of practice must be recorded. Students have opportunity to display their progress at recitals and at the applied music examinations given at the end of each semester. Applied music lessons may be taken from any private music teacher who is qualified and is approved by the head of the Music Department. Students may be required to change teachers at any time if there is a lack of progress.

MUS. 14-24-34-44—INSTRUMENTAL PRACTICE TEACHING OF PERCUSSION, BRASS, WOODWIND AND STRINGS 8 semester hours

Instruction and methods of teaching in the various instruments of orchestra and band. The course runs throughout the entire four years of the college music curriculum and aims to develop acceptable student performance in playing as well as teaching the various types of instruments.

14—A. Percussion; B. Brass—Freshman Year

24— Woodwind—Sophomore Year

34— Strings—Junior Year

44— Observation and Instrumental Student Teaching—Senior Year

MUS. 15—MUSIC THEORY 3 semester hours

The singing of intervals, diatonic and chromatic, by syllable name. Vocal exercises combining syllables and rhythm patterns. Simple melodies, accompanied and unaccompanied with words. Writing of melodies and chords played on the piano.

MUS. 20—HISTORY AND APPRECIATION I 3 semester hours

A study of the great movements in the development of the Art of Music from primitive man to 1600 A. D. The class participates in lis-

tening and analyzing recorded music, and performing planned programs of music of the various periods.

MUS. 21—HISTORY AND APPRECIATION II 3 semester hours

A study of music and composers from Bach to the present time, through records and programs given by students. The class participates in listening and analyzing music and performing planned programs of music of various periods.

MUS. 22—HARMONY I 6 semester hours

Introduction to Harmony, Key signatures, Triads (Major and Minor), Open Harmony, Cadences (using chords I, IV, V), Inversions, Dominant Seventh Chords, Resolutions, and Inversions. Melodic and harmonic dictation, and keyboard harmony will be stressed. Original compositions are encouraged.

MUS. 25—CONDUCTING 3 semester hours

Development of baton technique and the presentation of various kinds of school music materials both vocal and instrumental. It includes score reading, interpretation, program construction, and the development of clarity and style.

MUS. 31—VOICE METHODS AND MATERIALS 3 semester hours

The fundamentals of correct voice production; breathing, breath control, elementary study of vowel forms and consonants, poise, posture, and stage presence. These elements are viewed from two angles, i.e., development of the students own voice and methods of teaching others.

MUS. 32—HARMONY II 6 semester hours

A further study of triads, dominant seventh and inversions, non-harmonic tones, secondary chords II, VI, III, VII and their inversions, modulations to related keys, chords of the 9th and 11th. Melodic and harmonic dictation, keyboard harmony, and original compositions are stressed.

MUS. 42—ADVANCED HARMONY III AND COUNTERPOINT 3 semester hours

The continued use of all chords and their inversions, altered chords, Neopolitan 6th, augmented chords, French, Italian, and German Sixth, harmonic analysis of compositions of famous composers. Elementary counterpoint will be included. Original compositions, melodic and harmonic dictation and keyboard work are stressed.

MUS. 30—MUSIC MATERIALS AND METHODS I (Elementary) 6 semester hours

A preparation for the teaching and supervising of Elementary School Music. It includes the teaching techniques required for the following areas: study and classification of rote songs, teaching of rote songs, correction of tone faults, introduction of rotation, care and development of the child voice, rhythmic activities, creative music and a comprehensive study of the leading song series designed for elementary school use.

MUS. 40—MUSIC MATERIALS AND METHODS II (Secondary) 3 semester hours

A preparation for teaching and supervising Music in the Junior and

Senior High School. A study of Secondary School Materials and Methods. Included are: care and treatment of adolescent voices, classification of voices, song interpretation, organization and administration of vocal ensembles.

MUS. 36-46—STUDENT TEACHING OF MUSIC I, II, III 6 semester hours

Observation and practice teaching of music to children in the elementary, junior and senior High Schools under skilled supervision.

MUS. 41—ADMINISTRATION AND SUPERVISION OF MUSIC 3 semester hours

The duties of the Supervisor of Music; The history of Music Education; The analysis of individual problems in the fields of Music Education; The function of Supervision.

MUS. 45—ORCHESTRATION AND COMPOSITION 3 semester hours

Writing for various instruments, their ranges, transposition, etc. Scoring for orchestra and bands and smaller combinations, for both vocal and instrumental music.

REQUIRED COLLEGE ACTIVITIES

CHORUS

The chorus membership is made up of all members of the student body. It involves the study and performance of important choral styles and works. Advanced students have the privilege of rehearsing and performing with the chorus as soloists. Advanced choral conducting students are given opportunity to conduct this large chorus at rehearsals.

JUNIOR AND SENIOR CHOIR

The Junior and Senior music students are organized into a choir for the study and performance of both accompanied and a cappella literature.

BAND

The Music Department has its student symphonic band in which students may obtain further experience in large ensemble performance. It is designed to acquaint the students with the literature of the concert band and provide experience in band technique and routine. Students are given frequent opportunity to conduct in both rehearsal and concert.

ORCHESTRA

If sufficient number of string players are enrolled, an orchestra will be organized to give experience to students in orchestral playing. It will be designed to acquaint the students with the literature of the orchestra and provide experience in orchestral technique and routine.

THE COLLEGE MODERN ORCHESTRA

The College Modern Orchestra is open to qualified players who wish the opportunity to play special arrangements of modern and popular works.

RECITALS

Each student in the Music Department is given opportunity to perform at recital programs in both their applied music major and applied music minor areas. All students of the College are welcome to appear in student recitals and to profit by the many additional advantages resulting from the association of many students and teachers in the various branches of the musical art. During the final semester of the fourth year, the senior music students are presented in the Senior Public Recitals.

ENSEMBLES

When possible, small ensembles both instrumental and vocal, will be organized to provide experience in performing in small groups.

ENG.—MECHANICS OF EXPRESSION

Review of fundamentals in English for students needing remedial work in either written or oral expression. Since this is a corrective course no credit is allowed.

Chapel and Lecture attendance is also required.



